

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
Shell Chemical LP

AUTHORIZING THE OPERATION OF  
Shell Technology Center Houston  
Research and Development in the Physical, Engineering, and Life Sciences

LOCATED AT  
Harris County, Texas  
Latitude 29° 43' 28" Longitude 95° 38' 23"  
Regulated Entity Number: RN100209832

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1604 Issuance Date: \_\_\_\_\_

\_\_\_\_\_  
For the Commission

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## **General Terms and Conditions**

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

## **Special Terms and Conditions:**

### **Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting**

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
  - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
  - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

- E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
- F. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
  - (i) Title 30 TAC § 101.302 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)
  - (iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)
  - (iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)
  - (v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit
- G. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:
  - (i) Title 30 TAC § 101.352 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)
  - (iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)
  - (iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)
  - (v) Title 30 TAC § 101.358 (relating to Emission Monitoring and Compliance Demonstration)
  - (vi) Title 30 TAC § 101.359 (relating to Reporting)
  - (vii) Title 30 TAC § 101.360 (relating to Level of Activity Certification)
  - (viii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
- H. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
  - (i) Title 30 TAC § 101.372 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
  - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)

- (iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
  - (v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
- 2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
  - A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
- 3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
  - A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
    - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to

vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
- (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
  - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable,

but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions

outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer

shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- F. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
  - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)

- (ii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: Storage of Volatile Organic Compounds, the permit holder shall comply with the requirements of 30 TAC § 115.112(e)(1).
- 5. For industrial wastewater specified in 30 TAC Chapter 115, Subchapter B, the permit holder shall comply with the following requirements:
  - A. Title 30 TAC § 115.145 (relating to Approved Test Methods)
  - B. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)
  - C. Title 30 TAC § 115.147(1) (relating to Exemptions)
  - D. Title 30 TAC § 115.148 (relating to Determination of Wastewater Characteristics)
  - E. Title 30 TAC § 115.142(1)(E) and (F) (relating to Control Requirements)
  - F. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)
- 6. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
  - A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities specified in 30 TAC Chapter 115, Subchapter C, the permit holder shall comply with the following requirements:
    - (i) Title 30 TAC § 115.221 (relating to Emission Specifications)
    - (ii) Title 30 TAC § 115.222 (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.223 (relating to Alternate Control Requirements)
    - (iv) Title 30 TAC § 115.224 (relating to Inspection Requirements)
    - (v) Title 30 TAC § 115.225 (relating to Testing Requirements)
    - (vi) Title 30 TAC § 115.226 (relating to Recordkeeping Requirements)
- 7. The permit holder shall comply with the requirements of 30 TAC § 115.722(b) (relating to Site-wide Cap and Control Requirements) and the requirements of 30 TAC § 115.726(g) (relating to Recordkeeping and Reporting Requirements).
- 8. The permit holder shall comply with the requirements of 30 TAC § 115.726(e)(3)(A) for vent streams having no potential to emit HRVOC.
- 9. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)

- C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
10. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
  11. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):
    - A. Title 40 CFR § 63.11111(e), for records of monthly throughput
    - B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput
    - C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput
    - D. Title 40 CFR § 63.11115(a), for operation of the source
    - E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices
    - F. Title 40 CFR § 63.11116(b), for records availability
    - G. Title 40 CFR § 63.11116(d), for portable gasoline containers
  12. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

#### **New Source Review Authorization Requirements**

13. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

- A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
14. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
15. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).
16. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
- A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
  - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
  - C. Boiler Standard Permit

### **Compliance Requirements**

17. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
18. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
- A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
    - (i) For sources in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020:
      - (1) Title 30 TAC § 117.9020(2)(A), (C), and (D)
  - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.350(c) and (c)(1).

- C. The permit holder shall comply with the requirements of 30 TAC § 117.354 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.356 for Revision of Final Control Plan.
19. Use of Emission Credits to comply with applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)
    - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
    - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
    - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
20. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) If applicable, offsets for Title 30 TAC Chapter 116
    - (iv) Temporarily exceed state NSR permit allowables
  - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
    - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

- (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
- (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
- (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

### **Risk Management Plan**

- 21. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

### **Protection of Stratospheric Ozone**

- 22. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
  - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

### **Permit Location**

- 23. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

### **Permit Shield (30 TAC § 122.148)**

- 24. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

#### **Attachments**

**Applicable Requirements Summary**

**Permit Shield**

**New Source Review Authorization References**

### **Applicable Requirements Summary**

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Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
841-SUMP	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
BLDG BD	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLDG BD	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
BLDG BD	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
BLDG C	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLDG C	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
BLDG C	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
BLDG CA	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLDG CA	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
BLDG CA	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
BLDG M	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLDG M	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
BLDG M	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
BLDG MS	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLDG MS	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
BLDG MS	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BLDG N	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLDG N	SRIC ENGINES	N/A	60III-01	40 CFR Part 60, Subpart III	No changing attributes.
BLDG N	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
BLDG R	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLDG R	SRIC ENGINES	N/A	60III-01	40 CFR Part 60, Subpart III	No changing attributes.
BLDG R	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
BLDG SO	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLDG SO	SRIC ENGINES	N/A	60III-01	40 CFR Part 60, Subpart III	No changing attributes.
BLDG SO	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
BLDG SU2	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLDG SU2	SRIC ENGINES	N/A	60III-01	40 CFR Part 60, Subpart III	No changing attributes.
BLDG SU2	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
BLR	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLR	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
C2H4 UNLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5112-01	30 TAC Chapter 115, Loading and Unloading of VOC	Chapter 115 Control Device Type = Vapor control system with a vapor combustor.
C2H4 UNLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5112-02	30 TAC Chapter 115, Loading and Unloading of VOC	Chapter 115 Control Device Type = Vapor control system with a flare.
DIV-TK	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
DSLUNLOAD1	LOADING/UNLOADING OPERATIONS	N/A	R5112-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
FW PUMP	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
MBBPLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5112-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
MBUNLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5112-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
MICRONGENG	SRIC ENGINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
MICRONGENG	SRIC ENGINES	N/A	60JJJJ-01	40 CFR Part 60, Subpart JJJJ	No changing attributes.
MICRONGENG	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
OWS1	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
S-2A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R2720-02	30 TAC Chapter 115, HRVOC Vent Gas	Vent Gas Stream Control = Vent gas stream is controlled by a flare.
S-2A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	Testing Requirements = Process knowledge to determine maximum potential HRVOC hourly emissions for analyzer vents, stream system vents, vent gas streams with no HRVOC except during emission event or degassing safety device in lieu of testing., Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities., Waived Testing = The executive director has not waived testing for identical vents., Alternative Monitoring = Not using alternative monitoring and testing methods., Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule., Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.
S-2A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	Control Device Type = Vapor combustor not considered to be a flare.
S-2A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-02	30 TAC Chapter 115, Vent Gas Controls	Control Device Type = Smokeless flare

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
S-4	FLARES	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
S-4	FLARES	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
S-4	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
S-8B	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
S-9A	STATIONARY TURBINES	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
S-9A	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
T127	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T128	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T129	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T136	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T415	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T416	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T417	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T418	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
T419	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T420	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T421	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T422	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T501	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T504	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T506	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T509	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T510	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T511	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T558	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T559	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T561	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T562	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
T563	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T571	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T572	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T579	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T580	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T581	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK7011R1A	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK7011R1B	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
V840	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Other vapor destruction unit
V840	STORAGE TANKS/VESSELS	N/A	R5112-02	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Flare

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
841-SUMP	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
BLDG BD	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
BLDG BD	EU	60III-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
BLDG BD	EU	60IIII-01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG BD	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG BD	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
BLDG C	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
BLDG C	EU	60IIII-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(f) § 60.4218 § 89.112(a)	less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
BLDG C	EU	60III-01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG C	EU	60III-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						60.4202(a)(2) and 40 CFR 89.112(a).			
BLDG C	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
BLDG CA	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BLDG CA	EU	60III-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG CA	EU	60III-01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG CA	EU	60III-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
BLDG CA	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
BLDG M	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)			
BLDG M	EU	60III-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG M	EU	60III-01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG M	EU	60III-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2)	Owners and operators of emergency stationary CI	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
BLDG M	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
BLDG MS	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(9)(E)(iii)(II) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a)(2)(C) § 117.340(h)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(10) § 117.345(f)(3) § 117.345(f)(3)(B) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
					[G]§ 117.310(f) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	§ 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b)		§ 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
BLDG MS	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a)(2)(C) § 117.340(h) § 117.345(f)(3) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(10) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b)		
BLDG MS	EU	60III-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 19 KW and less than 37 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
BLDG MS	EU	60III-01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 19 KW but less than 37 KW and a displacement of less than 10 liters per cylinder and is a 2008 - 2012 model year must comply with an NMHC+NO <sub>x</sub> emission limit of 7.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102.	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BLDG MS	EU	60III-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 19 KW and less than 56 KW and a displacement of less than 10 liters per cylinder and is a 2008 - 2012 model year must comply with a PM emission limit of 0.30 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102.	None	None	None
BLDG MS	EU	63ZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
BLDG N	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)			
BLDG N	EU	60III-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG N	EU	60III-01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
BLDG N	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG N	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BLDG R	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
BLDG R	EU	60III-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG R	EU	60III-01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
BLDG R	EU	60III-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG R	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
BLDG SO	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
BLDG SO	EU	60III-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						60.4202(a)(2) and 40 CFR 89.112(a).			
BLDG SO	EU	60IIII-01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG SO	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG SO	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
BLDG SU2	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BLDG SU2	EU	60III-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG SU2	EU	60III-01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
BLDG SU2	EU	60III-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
					§ 89.112(a)	less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
BLDG SU2	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
BLR	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(B) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
						cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	§ 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)		[G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
BLR	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) § 117.8120	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
BLR	EU	60Dc-01	SO <sub>2</sub>	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
BLR	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BLR	EU	60Dc-01	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
C2H4 UNLOAD	EU	R5112-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(3) § 115.212(a)(2) § 115.212(a)(3)(A) § 115.212(a)(3)(A)(i) § 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(3)(D) § 115.214(a)(1)(B) § 115.214(a)(1)(C)	All land-based VOC transfer to or from transport vessels shall be conducted in the manner specified for leak-free operations.	§ 115.212(a)(3)(B) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.214(a)(1)(A)(ii) § 115.214(a)(1)(A)(iii)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(iii)	None
C2H4 UNLOAD	EU	R5112-02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(3) § 115.212(a)(2) § 115.212(a)(3)(A) § 115.212(a)(3)(A)(i) § 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(3)(D) § 115.214(a)(1)(B) § 115.214(a)(1)(C)	All land-based VOC transfer to or from transport vessels shall be conducted in the manner specified for leak-free operations.	§ 115.212(a)(3)(B) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.214(a)(1)(A)(ii) § 115.214(a)(1)(A)(iii)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(iii)	None
DIV-TK	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
DSLUNLOA D1	EU	R5112-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						from the requirements of this division, except as specified.			
FW PUMP	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(10) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include any stationary diesel engine placed into service before October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average; and has not been modified, reconstructed, or relocated on or after October 1, 2001. §117.303(a)(10)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
MBBPLOAD	EU	R5112-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
MBUNLOAD	EU	R5112-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
MICRONGE NG	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(9)(B)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a)(2)(D) § 117.340(h) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b)	§ 117.345(a) § 117.345(f) § 117.345(f)(12) § 117.345(f)(3) § 117.345(f)(3)(B) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) [G]§ 117.345(e) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
MICRONGE NG	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a)(2)(D) § 117.340(h) § 117.345(f)(3) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii)	§ 117.345(a) § 117.345(f) § 117.345(f)(12) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) [G]§ 117.345(e) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b)		§ 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
MICRONGE NG	EU	60JJJJ-01	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(1) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas and lean burn LPG engines with a maximum engine power greater than or equal to 100 HP and less than 500 HP and were manufactured on or after 01/01/2011 must comply with a CO emission limit of 2.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(e)	§ 60.4243(a)(1) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3)	None
MICRONGE NG	EU	60JJJJ-01	NO <sub>x</sub>	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(1) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas and lean burn LPG engines with a maximum engine power greater than or equal to 100 HP and less than 500 HP and were manufactured on or after 01/01/2011 must comply with a NO <sub>x</sub>	§ 60.4243(e)	§ 60.4243(a)(1) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						emission limit of 1.0 g/HP-hr, as listed in Table 1 to this subpart.			
MICRONGE NG	EU	60JJJJ-01	VOC	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(1) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas and lean burn LPG engines with a maximum engine power greater than or equal to 100 HP and less than 500 HP and were manufactured on or after 01/01/2011 must comply with a VOC emission limit of 0.7 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(e)	§ 60.4243(a)(1) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3)	None
MICRONGE NG	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
OWS1	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						psia obtained from any equipment is exempt from §115.132(a).			
S-2A	EP	R2720-02	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 115.722(d) § 115.722(d)(1) § 115.722(d)(2)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.725(n)	§ 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) [G]§ 115.726(g) [G]§ 115.726(h) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n)
S-2A	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 115.725(a)(2)(A) § 115.725(a)(2)(B) § 115.725(a)(2)(C) § 115.725(a)(2)(D) § 115.725(a)(3) [G]§ 115.725(l)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.725(a)(2)(A) § 115.725(a)(2)(B) § 115.725(a)(2)(C) § 115.725(a)(2)(D) § 115.725(a)(3) § 115.725(a)(3)(B) § 115.725(a)(5) [G]§ 115.725(b)(2) [G]§ 115.725(l) § 115.725(n)	§ 115.726(b)(7) [G]§ 115.726(g) [G]§ 115.726(h) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(a)(5) § 115.725(n)
S-2A	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(C)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(iii) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(iii) § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-2A	EP	R5121-02	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
S-4	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
S-4	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(m)(2)(A) § 115.725(m)(2)(B)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) [G]§ 115.725(l) § 115.725(m)(2)(A) § 115.725(m)(2)(B) § 115.725(n)	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
S-4	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(ii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
S-8B	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) § 117.8120	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
S-8B	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(B) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(2) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(g) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(b)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
						operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	§ 117.8100(b)(1) [G]§ 117.8100(b)(1)(A) § 117.8100(b)(1)(B) § 117.8100(b)(2) § 117.8100(b)(3) § 117.8100(b)(3)(A) § 117.8100(b)(3)(B) § 117.8100(b)(4) § 117.8100(b)(4)(A) § 117.8100(b)(4)(A)(i) § 117.8100(b)(4)(A)(i)(I) § 117.8100(b)(4)(A)(i)(II) [G]§ 117.8100(b)(4)(A)(ii) [G]§ 117.8100(b)(4)(B) § 117.8100(b)(4)(C) § 117.8100(b)(4)(C)(i) § 117.8100(b)(4)(C)(ii) § 117.8100(b)(4)(C)(iii) § 117.8100(b)(4)(C)(iii)(I) § 117.8100(b)(4)(C)(iii)(II) § 117.8100(b)(4)(C)(iii)(II)(-a-) § 117.8100(b)(5) § 117.8100(b)(6)		§ 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
S-9A	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(10)(B) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
						alternative methods specified in § 117.9800 to comply with § 117.320.	§ 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)		[G]§ 117.8010(8)
S-9A	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
S-9A	EU	60GG-01	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
T127	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T128	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						division.			
T129	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T136	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T415	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T416	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T417	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T418	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T419	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T420	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T421	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T422	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T501	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T504	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T506	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T509	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T510	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T511	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T558	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T559	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T561	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T562	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T563	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T571	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T572	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T579	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
T580	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T581	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
TK7011R1A	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
TK7011R1B	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
V840	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) § 115.112(e)(3)(A)(ii)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V840	EU	R5112-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(C) § 60.18	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
300CPI1	N/A	40 CFR Part 60, Subpart K	Tank not used for storing petroleum liquids.
300CPI1	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
300CPI1	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
300CPI1	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
300CPI1	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
300CPI1	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
300CPI1	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
300WW-1	N/A	30 TAC Chapter 115, Storage of VOCs	Tank not used for storing VOC.
300WW-1	N/A	40 CFR Part 60, Subpart K	Tank not used for storing petroleum liquids.
300WW-1	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
300WW-1	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
300WW-1	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
300WW-1	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
300WW-1	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
300WW-1	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
841-SUMP	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
841-SUMP	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61 or 63, and not referenced to MACT OO for control of air emissions.
BLR	N/A	40 CFR Part 60, Subpart D	Heat input rate less than 250 MMBtu/hr.
BLR	N/A	40 CFR Part 60, Subpart Da	Heat input rate less than 250 MMBtu/hr.
BLR	N/A	40 CFR Part 60, Subpart Db	Heat input rate less than 100 MMBtu/hr.
DIV-TK	N/A	40 CFR Part 60, Subpart K	Tank constructed after May 19, 1978.
DIV-TK	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified after July 23, 1984.
DIV-TK	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true vapor pressure less than 0.5 psia.
DIV-TK	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage or disposal facilities.
DIV-TK	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
DIV-TK	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61 or 63, and not referenced to MACT OO for control of air emissions.
ENG-1	N/A	30 TAC Chapter 117, Subchapter B	This engine is used in research and testing.
ENG-1	N/A	40 CFR Part 60, Subpart JJJJ	This engine is being tested at a test stand.
ENG-1	N/A	40 CFR Part 63, Subpart ZZZZ	This engine is being tested at a test stand.
ENG-2	N/A	30 TAC Chapter 117, Subchapter B	This engine is used in research and testing.
ENG-2	N/A	40 CFR Part 60, Subpart JJJJ	This engine is being tested at a test stand.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
ENG-2	N/A	40 CFR Part 63, Subpart ZZZZ	This engine is being tested at a test stand.
ENG-3	N/A	30 TAC Chapter 117, Subchapter B	This engine is used in research and testing.
ENG-3	N/A	40 CFR Part 60, Subpart JJJJ	This engine is being tested at a test stand.
ENG-3	N/A	40 CFR Part 63, Subpart ZZZZ	This engine is being tested at a test stand.
ENG-4	N/A	30 TAC Chapter 117, Subchapter B	This engine is used in research and testing.
ENG-4	N/A	40 CFR Part 60, Subpart JJJJ	This engine is being tested at a test stand.
ENG-4	N/A	40 CFR Part 63, Subpart ZZZZ	This engine is being tested at a test stand.
FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The site does not contain a synthetic organic chemical, polymer, resin, or methyl-tertiary-butylether manufacturing process, or natural gas/gasoline processing operation or petroleum refinery.
FUG	N/A	40 CFR Part 63, Subpart H	This is a research and development facility.
GRP-OWS	OWS-SW1, OWS-SW2, OWS-SW3	30 TAC Chapter 115, Water Separation	The water separators are fully covered and are designed solely to capture stormwater spills or exterior clean water.
GRP-OWS	OWS-SW1, OWS-SW2, OWS-SW3	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
GRP-OWS	OWS-SW1, OWS-SW2, OWS-SW3	40 CFR Part 63, Subpart G	The contents of the stream in the oil water separator do not meet the definition of process wastewater in 40 CFR Part 60, Subpart F.
GRP-OWS	OWS-SW1, OWS-SW2, OWS-SW3	40 CFR Part 63, Subpart VV	Facility does not control air emissions from oil-water and organic water separators which are referenced by 40 CFR 60, 61 or 63 subparts.
OWS1	N/A	40 CFR Part 61, Subpart FF	Facility is not a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, and disposal facilities

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
OWS1	N/A	40 CFR Part 63, Subpart G	The contents of the stream in the oil water separator do not meet the definition of process wastewater in 40 CFR Part 60, Subpart F.
OWS1	N/A	40 CFR Part 63, Subpart VV	Facility does not control air emissions from oil-water and organic water separators which are referenced by 40 CFR Parts 60, 61 or 63 subparts.
S-2A	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
S-2B	N/A	30 TAC Chapter 117, Commercial	Vapor combustor with capacity less than 40 MMBtu.
S-4	N/A	40 CFR Part 63, Subpart A	Requirement of flare not subject to a subpart under 40 CFR Part 63
S-8B	N/A	40 CFR Part 60, Subpart D	Heat input rate less than 250 MMBtu/hr.
S-8B	N/A	40 CFR Part 60, Subpart Da	Construction/modification before September 18, 1978.
S-8B	N/A	40 CFR Part 60, Subpart Db	Construction/modification before June 19, 1984.
S-8B	N/A	40 CFR Part 60, Subpart Dc	Construction/modification before June 9, 1989.
S-9A	N/A	30 TAC Chapter 117, Utility Electric Generation	The facility is not an electric power generating system owned or operated by a municipality or a Public Utility Commission of Texas regulated utility
T120	N/A	30 TAC Chapter 115, Storage of VOCs	Tank storage capacity less than or equal to 1,000 gallons.
T120	N/A	40 CFR Part 60, Subpart K	Tanks storage capacity less than 40,000 gallons.
T120	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T120	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T120	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T120	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T120	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T120	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T127	N/A	40 CFR Part 60, Subpart K	Tanks storage capacity less than 40,000 gallons.
T127	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T127	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T127	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T127	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T127	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T127	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T128	N/A	40 CFR Part 60, Subpart K	Tanks storage capacity less than 40,000 gallons.
T128	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T128	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T128	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T128	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T128	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T128	N/A	40 CFR Part 63, Subpart OO	Tank not unit subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T129	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T129	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T129	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T129	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T129	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T129	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T129	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T136	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T136	N/A	40 CFR Part 60, Subpart Ka	Tank storage capacity less than 40,000 gallons.
T136	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T136	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T136	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T136	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61 or 63, and not referenced to MACT OO for control of air emissions.
T415	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T415	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T415	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T415	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T415	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T415	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T415	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T416	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T416	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T416	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T416	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T416	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T416	N/A	40 CFR Part 63, Subpart G	Facility not a SOCMI.
T416	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T417	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T417	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T417	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T417	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T417	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T417	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T417	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61 or 63, and not referenced to MACT OO for control of air emissions.
T418	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T418	N/A	40 CFR Part 60, Subpart Ka	Tank storage capacity less than 40,000 gallons.
T418	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity less than 19,800 gallons.
T418	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T418	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T418	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T418	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T419	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T419	N/A	40 CFR Part 60, Subpart Ka	Tank storage capacity less than 40,000 gallons.
T419	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity less than 19,800 gallons.
T419	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T419	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T419	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T419	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61 or 63, and not referenced to MACT OO for control of air emissions.
T420	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T420	N/A	40 CFR Part 60, Subpart Ka	Tank storage capacity less than 40,000 gallons.
T420	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity less than 19,800 gallons.
T420	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T420	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T420	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T420	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61 or 63, and not referenced to MACT OO for control of air emissions.
T421	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T421	N/A	40 CFR Part 60, Subpart Ka	Tank storage capacity less than 40,000 gallons.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T421	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity less than 19,800 gallons.
T421	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T421	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T421	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T421	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61 or 63, and not referenced to MACT OO for control of air emissions.
T422	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T422	N/A	40 CFR Part 60, Subpart Ka	Tank storage capacity less than 40,000 gallons.
T422	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity less than 19,800 gallons.
T422	N/A	40 CFR Part 60, Subpart Y	Tank not used for benzene storage.
T422	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T422	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T422	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61 or 63, and not referenced to MACT OO for control of air emissions.
T501	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T501	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T501	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T501	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T501	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage
T501	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T501	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T502	N/A	30 TAC Chapter 115, Storage of VOCs	Tank storage capacity less than or equal to 1,000 gallons.
T502	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T502	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T502	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T502	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T502	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T502	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T502	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T504	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T504	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T504	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T504	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T504	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T504	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T504	N/A	40 CFR Part 63, Subpart OO	Tank not a unit subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T506	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T506	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T506	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T506	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T506	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage
T506	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T506	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T509	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T509	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T509	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T509	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T509	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage
T509	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T509	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T510	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T510	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T510	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T510	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T510	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage
T510	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T510	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T511	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T511	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T511	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T511	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T511	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage
T511	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T511	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T556	N/A	30 TAC Chapter 115, Storage of VOCs	Tank storage capacity less than or equal to 1,000 gallons.
T556	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T556	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T556	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T556	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T556	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T556	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T556	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T557	N/A	30 TAC Chapter 115, Storage of VOCs	Tank storage capacity less than or equal to 1,000 gallons.
T557	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T557	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T557	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T557	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T557	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T557	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T557	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T558	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T558	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T558	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T558	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T558	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T558	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T558	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T559	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T559	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T559	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T559	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T559	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T559	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T559	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T561	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T561	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T561	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T561	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T561	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T561	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T561	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T562	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T562	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T562	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T562	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T562	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T562	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T562	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T563	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T563	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T563	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T563	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T563	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T563	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T563	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T571	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T571	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T571	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T571	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T571	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T571	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T571	N/A	40 CFR Part 63, Subpart OO	Tank not a unit subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T572	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T572	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T572	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T572	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T572	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T572	N/A	40 CFR Part 63, Subpart G	Facility not a SOCMI.
T572	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T579	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T579	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T579	N/A	40 CFR Part 60, Subpart Kb	Tanks constructed or modified in 1975 (before 7/23/84).

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T579	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T579	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T579	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T579	N/A	40 CFR Part 63, Subpart OO	Tank not a unit subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T580	N/A	40 CFR Part 60, Subpart K	Tank not used for storing petroleum liquids.
T580	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T580	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
T580	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T580	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T580	N/A	40 CFR Part 63, Subpart G	Facility not a SOCMI.
T580	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
T581	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
T581	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
T581	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T581	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
T581	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
T581	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
T581	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
TK7011R1A	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity is less than 19,000 gallons.
TK7011R1B	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity is less than 19,000 gallons.
V102	N/A	30 TAC Chapter 115, Storage of VOCs	Tank storage capacity less than or equal to 1,000 gallons.
V102	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
V102	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
V102	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
V102	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
V102	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
V102	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
V102	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
V103	N/A	30 TAC Chapter 115, Storage of VOCs	Tank storage capacity less than or equal to 1000 gallons.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
V103	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
V103	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
V103	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
V103	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
V103	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
V103	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
V103	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.
V104	N/A	30 TAC Chapter 115, Storage of VOCs	Tank storage capacity less than or equal to 1,000 gallons.
V104	N/A	40 CFR Part 60, Subpart K	Tank storage capacity less than 40,000 gallons.
V104	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified before May 18, 1978.
V104	N/A	40 CFR Part 60, Subpart Kb	Tank constructed or modified before July 23, 1984.
V104	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
V104	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
V104	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
V104	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61, or 63, and not referenced to MACT OO for control of air emissions.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
V840	N/A	40 CFR Part 60, Subpart K	Tank constructed after May 19, 1978.
V840	N/A	40 CFR Part 60, Subpart Ka	Tank constructed or modified after July 23, 1984.
V840	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity less than 19,800 gallons.
V840	N/A	40 CFR Part 61, Subpart FF	The facility is not a chemical manufacturing plant, coke-by-product recovery plant, or petroleum refinery that contains benzene hazardous waste treatment, storage, or disposal facilities.
V840	N/A	40 CFR Part 61, Subpart Y	Tank not used for benzene storage.
V840	N/A	40 CFR Part 63, Subpart G	Facility not a synthetic organic chemical manufacturing industry (SOCMI).
V840	N/A	40 CFR Part 63, Subpart OO	Tank not subject to another subpart within 40 CFR 60, 61 or 63, and not referenced to MACT OO for control of air emissions.

**New Source Review Authorization References**

<b>New Source Review Authorization References .....</b>	<b>85</b>
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### New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 1190	Issuance Date: 08/25/2015
Authorization No.: 91674	Issuance Date: 05/02/2011
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.124	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
300CPI1	PROCESS WATER TANK	106.532/09/04/2000
300WW-1	PROCESS WATER TANK	106.532/09/04/2000
841-SUMP	MB BY-PRODUCTS-CONTAINMENT RUN-OFF	106.532/09/04/2000
BLDG BD	BLDG BD EMERGENCY GENERATOR	106.511/09/04/2000
BLDG CA	BLDG CA EMERGENCY GENERATOR	106.511/09/04/2000
BLDG C	BLDG C EMERGENCY GENERATOR	106.511/09/04/2000
BLDG M	BLDG M EMERGENCY GENERATOR	106.511/09/04/2000
BLDG MS	BLDG MS GENERATOR	106.511/09/04/2000
BLDG N	BLDG N EMERGENCY GENERATOR	106.511/09/04/2000
BLDG R	BLDG R EMERGENCY GENERATOR	106.511/09/04/2000
BLDG SO	BLDG SO EMERGENCY GENERATOR	106.511/09/04/2000
BLDG SU2	BLDG SU EMERGENCY GENERATOR 2	106.511/09/04/2000
BLR	BOILER S11	91674
C2H4 UNLOAD	UNLOADING FROM ETHYLENE TANK TRUCK	106.124/09/04/2000
DIV-TK	SPILL DIVERSION TANK	106.472/09/04/2000
DSLUNLOAD1	UNLOADING TO DIESEL FRAC TANK 1	106.472/09/04/2000
ENG-1	AVIATION TEST ENGINE 1	106.512/09/04/2000
ENG-2	AVIATION TEST ENGINE 2	106.512/09/04/2000
ENG-3	AVIATION TEST ENGINE 3	106.512/09/04/2000
ENG-4	AVIATION TEST ENGINE 4	106.512/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FUG	FUGITIVE EMISSIONS	106.261/09/04/2000, 106.262/09/04/2000, 106.433/09/04/2000, 106.472/09/04/2000, 106.475/09/04/2000, 106.476/09/04/2000, 106.478/09/04/2000, 106.492/09/04/2000, 106.532/09/04/2000
FW PUMP	FIREWATER PUMP ENGINE	106.511/09/04/2000
MBBPLOAD	LOADING THE MB BYPRODUCTS	106.472/09/04/2000, 106.473/09/04/2000
MBUNLOAD	UNLOADING AT THE MB BUILDING	106.472/09/04/2000, 106.473/09/04/2000
MICRONGENG	MICROGRID NATURAL GAS ENGINE	106.512/09/04/2000
OWS1	OIL WATER SEPARATOR	106.532/09/04/2000
OWS-SW1	OIL WATER SEPARATOR-STORM WATER	106.532/09/04/2000
OWS-SW2	OIL WATER SEPARATOR-STORM WATER	106.532/09/04/2000
OWS-SW3	OIL WATER SEPARATOR-STORM WATER	106.532/09/04/2000
S-2A	PILOT PLANT VENT	106.124/09/04/2000
S-2B	BURNER	106.124/09/04/2000
S-4	FLARE	106.492/09/04/2000
S-8B	STEAM BOILER #2	1190
S-9A	COGENERATION TURBINE	106.512/06/13/2001
T120	HYDRATE LOOP BLOW DOWN DRUM	106.478/09/04/2000
T127	STORAGE TANK T127	106.478/09/04/2000
T128	STORAGE TANK T128	106.478/09/04/2000
T129	STORAGE TANK T129	106.478/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
T136	BELOW GRADE TANK - CONTAINMENT RUNOFF	106.478/09/04/2000
T415	STORAGE TANK T415	106.478/09/04/2000
T416	STORAGE TANK T416	106.478/09/04/2000
T417	STORAGE TANK T417	106.478/09/04/2000
T418	STORAGE TANK T418	106.478/09/04/2000
T419	STORAGE TANK T419	106.478/09/04/2000
T420	STORAGE TANK T420	106.478/09/04/2000
T421	STORAGE TANK T421	106.478/09/04/2000
T422	STORAGE TANK T422	106.478/09/04/2000
T501	STORAGE TANK T501	106.478/09/04/2000
T502	STORAGE TANK T502	106.478/09/04/2000
T504	STORAGE TANK T504	106.478/09/04/2000
T506	STORAGE TANK T506	106.478/09/04/2000
T509	STORAGE TANK T509	106.478/09/04/2000
T510	STORAGE TANK T510	106.478/09/04/2000
T511	STORAGE TANK T511	106.478/09/04/2000
T556	STORAGE TANK T556	106.472/09/04/2000
T557	STORAGE TANK T557	106.472/09/04/2000
T558	STORAGE TANK T558	106.472/09/04/2000
T559	STORAGE TANK T559	106.472/09/04/2000
T561	STORAGE TANK T561	106.472/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
T562	STORAGE TANK T562	106.472/09/04/2000
T563	STORAGE TANK T563	106.472/09/04/2000
T571	STORAGE TANK T571	106.478/09/04/2000
T572	STORAGE TANK T572	106.478/09/04/2000
T579	STORAGE TANK T579	106.478/09/04/2000
T580	STORAGE TANK T580	106.478/09/04/2000
T581	STORAGE TANK T581	106.478/09/04/2000
TK7011R1A	DIESEL TANK 1A	106.472/09/04/2000
TK7011R1B	DIESEL TANK 1B	106.472/09/04/2000
V102	STORAGE TANK V102	106.478/09/04/2000
V103	STORAGE TANK V103	106.478/09/04/2000
V104	STORAGE TANK V104	106.478/09/04/2000
V840	MB BY-PRODUCTS	106.476/09/04/2000

**Appendix A**

**Acronym List ..... 91**

## Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
COMS	continuous opacity monitoring system
CVS	closed-vent system
D/FW	Dallas/Fort Worth (nonattainment area)
DR	Designated Representative
EIP	El Paso (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
GF	grandfathered
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MMBtu/hr	Million British thermal units per hour
MRRT	monitoring, recordkeeping, reporting, and testing
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NO <sub>x</sub>	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PM	particulate matter
ppmv	parts per million by volume
PSD	prevention of significant deterioration
RO	Responsible Official
SO <sub>2</sub>	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound